

SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
01948-051003

SERIAL NO.

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09/004717
03/12/01INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

(37 CFR 1.98(b))

APPLICANT
Terry Stron et al.FILING DATE
HEREWITH

GROUP

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | PATENT NUMBER | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|---------------|---------------|----------|-------|----------|-------------------------------|
| AA | | | | | | |
| AB | | | | | | |

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

| | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION | |
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| | | | | | | YES | NO |
| AC | | | | | | | |
| AD | | | | | | | |
| AE | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

| | |
|----|---|
| AF | Bolman, R. Morton, "Cardiac and Pulmonary Replacement", J. Thorac. Cardiovasc Surg. 115:819-21 (1998) |
| AG | Deng, S., "Adenoviral Transfection of Canine Islet Xenografts With Immunosuppressive Cytokine Genes....", Transplantation Proceedings 29:770 (1997) |
| AH | Deng, S., "IL-10 and TGF- β Gene Transfer for Xenogeneic Islet Transplantation: Comparison of Effect....", Transplantation Proceedings 29:2204-2205 (1997) |
| AI | Deng, S., "IL-10 and TGF- β Gene Transfer to Rodent Islets: Effect on Xenogeneic Islet Graft", Transplantation Proceedings 29:2207-2208 (1997) |
| AJ | Lee, Wei-Cheng, "Phenotype, Function, and In Vivo Migration and Survival of Allogeneic", Transplantation 66:1810-1817 (1998) |
| AK | Lee, W.C., "Enhancement of Dendritic Cell Tolerogenicity by Genetic Modification Using Adenoviral", Transplantation Proceedings 31:1195 (1999) |
| AL | Qin, Lihui et al., "Gene Transfer of Transforming Growth Factor- β 1 Prolongs Murine Cardiac Allograft ...", Human Gene Therapy 7:1981-1988 (1996) |
| AM | Qin, Lihui et al., "Multiple Vectors Effectively Achieve Gene Transfer in a Murine", Transplantation 59:809-816 (1995) |
| AN | Qin, Lihui et al., "Adenovirus-Mediated Gene Transfer of Viral Interleukin-10 Inhibits", Human Gene Therapy 8:1365-1374 (1997) |
| AO | Yano, Motoki et al., "Cardiothoracic Transplantation", The Journal of Thoracic and Cardiovascular Surgery, 117:705-713 (1999) |

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| dyo | AA | 5 1 7 1 8 4 1 | 12/15/92 | Laurence | | | |
| dyo | AB | 4 6 7 5 2 8 5 | 06/23/87 | Clark et al. | | | |
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| | AO | | | | | | | |
| | AP | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

| | | |
|-----|----|--|
| dyo | AO | Aruffo, A., et al., Molecular cloning of a CD28 cDNA by a high-efficiency COS cell expression system, PNAS 84:8573-7, 1987. |
| J | AR | Blackman, M.A., et al., A role for clonal inactivation in T-cell tolerance to Mls-1a, Nature 345:540, 1990. |
| J | AS | Boitard, C., et al., T-cell-mediated inhibition of the transfer of autoimmune diabetes in NOD mice, J. Exp. Med. 169:1669, 1989. |

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| | BP | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

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| BW | BQ | Bottazzo, G.F., et al., In situ characterization of autoimmune phenomena and expression of HLA molecules in the pancreas in diabetic insulinitis, N. Eng. J. Med. 313:353, 1985. |
| | | |
| J | BR | Burkly, L.C., et al., T-cell tolerance by clonal energy in transgenic mice with nonlymphoid expression of MHC class II I-E, Nature 342:564, 1989. |
| | | |
| J | BS | Burkly, L.C., et al., Tolerance in transgenic mice expressing major histocompatibility molecules extrathymically on pancreatic cells, Science 248:1364, 1990. |
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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

| | | |
|----|----|---|
| DW | CQ | Charlton, B., et al., Cyclophosphamide-induced diabetes in NOD/WEHI mice. Evidence for suppression in spontaneous autoimmune diabetes mellitus, Diabetologia 38:441, 1989. |
| | | |
| J | CR | Chiu, C-P., et al., Multiple biological activities are expressed by a mouse interleukin 6 cDNA clone isolated from bone marrow stromal cells, PNAS 85:7099, 1988. |
| | | |
| K | CS | Danielpour, D., et al., Immunodetection and quantitation of the two forms of transforming growth factor-beta (TGF-beta 1 and TGF-beta 2) secreted by cells in culture, J. Cel. Physiol. 138:79, 1989. |
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


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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

| | | |
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|  | DD | Derynck, R., et al., The murine transforming growth factor-8 precursor, J. Biol. Chem. 261:4377, 1986. |
| | | |
|  | DR | Fink, P.J., et al., Veto cells, Ann. Rev. Immunol. 6:115, 1988. |
| | | |
|  | DS | Fransen, L., et al., Molecular cloning of mouse tumor necrosis factor cDNA and its eukaryotic expression, Nucl. Ac. Res. 13:4417, 1985. |
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
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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

| | | |
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|  | EQ | Gillis, S., et al., Long term culture of tumour specific cytotoxic T-cells, Nature 268:154, 1977. |
|  | ER | Gray, P.W., et al., Cloning and expression of murine immune interferon cDNA, PNAS 80:5842, 1983. |
|  | ES | Kaplan, G., et al., Rational immunotherapy with interleukin 2, Bio/Tech. 10:157-62, 1982. |

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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

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| FO | Kappler, J.W., et al., T-cell tolerance by clonal elimination in the thymus, Cell 49:273, 1987. |
| | |
| FR | Kashima, N., et al., Unique structure of murine interleukin-2 as deduced from cloned cDNAs, Nature 313:402, 1985. |
| | |
| FS | Lee, F., et al., Isolation and characterization of a mouse interleukin cDNA clone that expresses B-cell stimulatory factor 1 activities and T-cell-and mast-cell-stimulating activities, PNAS 83:2061, 1986. |
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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

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| | GQ | Makino, S. et al., Breeding of a non-obese, diabetic strain of mice, Exp. Anim. 29:1, 1980. |
| | | |
| | GR | Miyazaki, A., et al., Predominance of T Lymphocytes in pancreatic islets of spleen of pre-diabetic non-obese diabetic (NOD) mice: a longitudinal study, Clin. Exp. Immunol. 60:622, 1985. |
| | | |
| | GS | Mueller, D.L., et al., Clonal expansion versus functional clonal inactivation. A costimulatory signalling pathway determines the outcome of T-cell antigen receptor occupancy, Ann. Rev. Immunol 7:445, 1989. |
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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

| | | |
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| A | HQ | Murray, L.J., et al., In vivo cytokine gene expression in T-cell subsets of the autoimmune MRL/MP-lpr/lpr mouse, Eur. J. Immunol. 20:163, 1990. |
| | | |
| J | HR | Ortaldo, J.R., et al., Mechanistic studies of transforming growth factor- β inhibition of IL-2 dependent activation of CD3-large granular lymphocyte functions, J. Immunol. 146:3791, 1991. |
| | | |
| V | HS | Pankewycz, O., et al., Islet-infiltrating T-cell clones from non-obese diabetic mice that promote or prevent accelerated onset of diabetes, Eur. J. Immunol. 21:873, 1991. |
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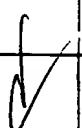

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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

| | | |
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|  | IQ | Ruegemer, J.J., et al., Regulatory effects of transforming growth factor-8 on IL-2 and IL-4 dependent cell cycle progression, J. Immunol. 144:1767, 1990. |
| | | |
|  | IR | Russell, J.H., et al., Receptor-stimulated death pathway is opened by antigen in mature T-cells, Proc. Natl. Acad. Sci. USA 88:2151, 1991. |
| | | |
|  | IS | Webb, S., et al., Extrathymic tolerance of mature T-cells: Clonal elimination as a consequence of immunity Cell, 63:1249, 1990. |
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

| | | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION | |
|--|----|-----------------|---------------------|-----------------------------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| | JL | | | | | | | |
| | JM | | | | | | | |
| | JN | | | | | | | |
| | JO | | | | | | | |
| | JP | | | | | | | |

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PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
01948-051003SERIAL NO.
034273 102INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
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Terry Strom et al.FILING DATE
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GROUP

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | PATENT NUMBER | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|----|---------------|---------------|----------|-------|----------|-------------------------------|
| | KA | | | | | | |
| | KB | | | | | | |
| | KC | | | | | | |
| | KD | | | | | | |
| | KE | | | | | | |
| | KF | | | | | | |
| | KG | | | | | | |
| | KH | | | | | | |
| | KI | | | | | | |
| | KJ | | | | | | |
| | KK | | | | | | |

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

| | | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION | |
|--|----|-----------------|---------------------|-----------------------------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| | KL | | | | | | | |
| | KM | | | | | | | |
| | KN | | | | | | | |
| | KO | | | | | | | |
| | KP | | | | | | | |

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SERIAL NO.
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APPLICANT
Terry Strom et al.

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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | PATENT NUMBER | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|----|---------------|---------------|----------|-------|----------|-------------------------------|
| | LA | | | | | | |
| | LB | | | | | | |
| | LC | | | | | | |
| | LD | | | | | | |
| | LE | | | | | | |
| | LF | | | | | | |
| | LG | | | | | | |
| | LH | | | | | | |
| | LI | | | | | | |
| | LJ | | | | | | |
| | LK | | | | | | |

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| | | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION | |
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| | | | | | | | YES | NO |
| | LL | | | | | | | |
| | LM | | | | | | | |
| | LN | | | | | | | |
| | LO | | | | | | | |
| | LP | | | | | | | |

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| | | |
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| EXAMINER INITIAL | | PATENT NUMBER | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|----|---------------|---------------|----------|-------|----------|-------------------------------|
| | MA | | | | | | |
| | MB | | | | | | |
| | MC | | | | | | |
| | MD | | | | | | |
| | ME | | | | | | |
| | MF | | | | | | |
| | MG | | | | | | |
| | MH | | | | | | |
| | MI | | | | | | |
| | MJ | | | | | | |
| | MK | | | | | | |

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| | | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION | |
|--|----|-----------------|---------------------|-----------------------------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| | ML | | | | | | | |
| | MM | | | | | | | |
| | MN | | | | | | | |
| | MO | | | | | | | |
| | MP | | | | | | | |

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